

# Table of Contents

- Devuan vs Debian or SysV vs Systemd** ..... 3
- The scenario*** ..... 3
- The trick ..... 7
- Results ..... 8
- References ..... 8



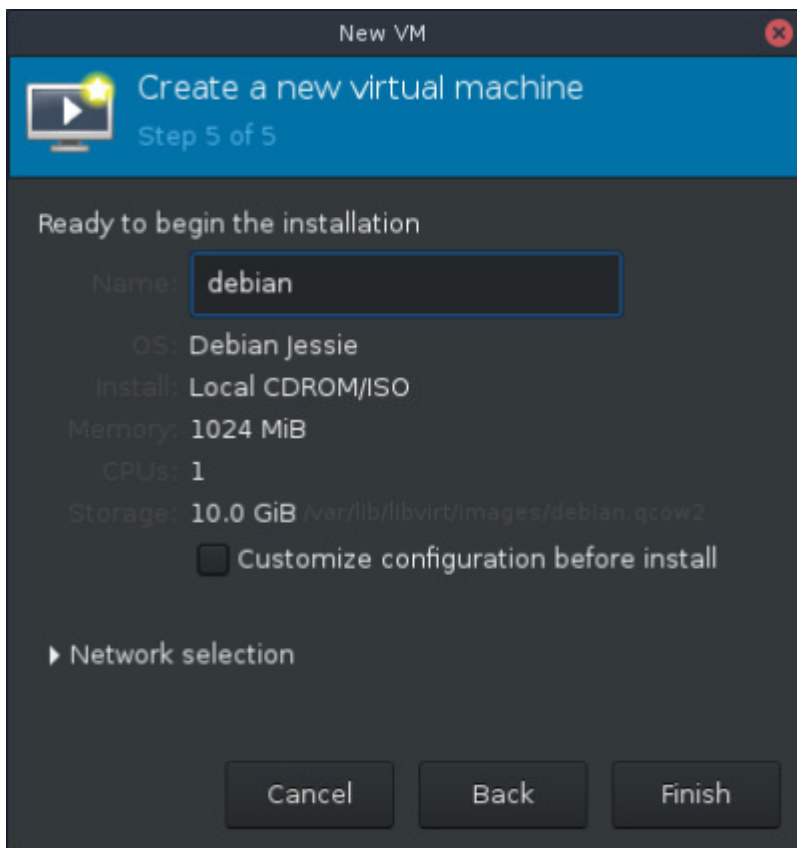
# Devuan vs Debian or SysV vs Systemd

I want to make a honest test to boot a Devuan with [SysV](#) and Debian with Systemd.

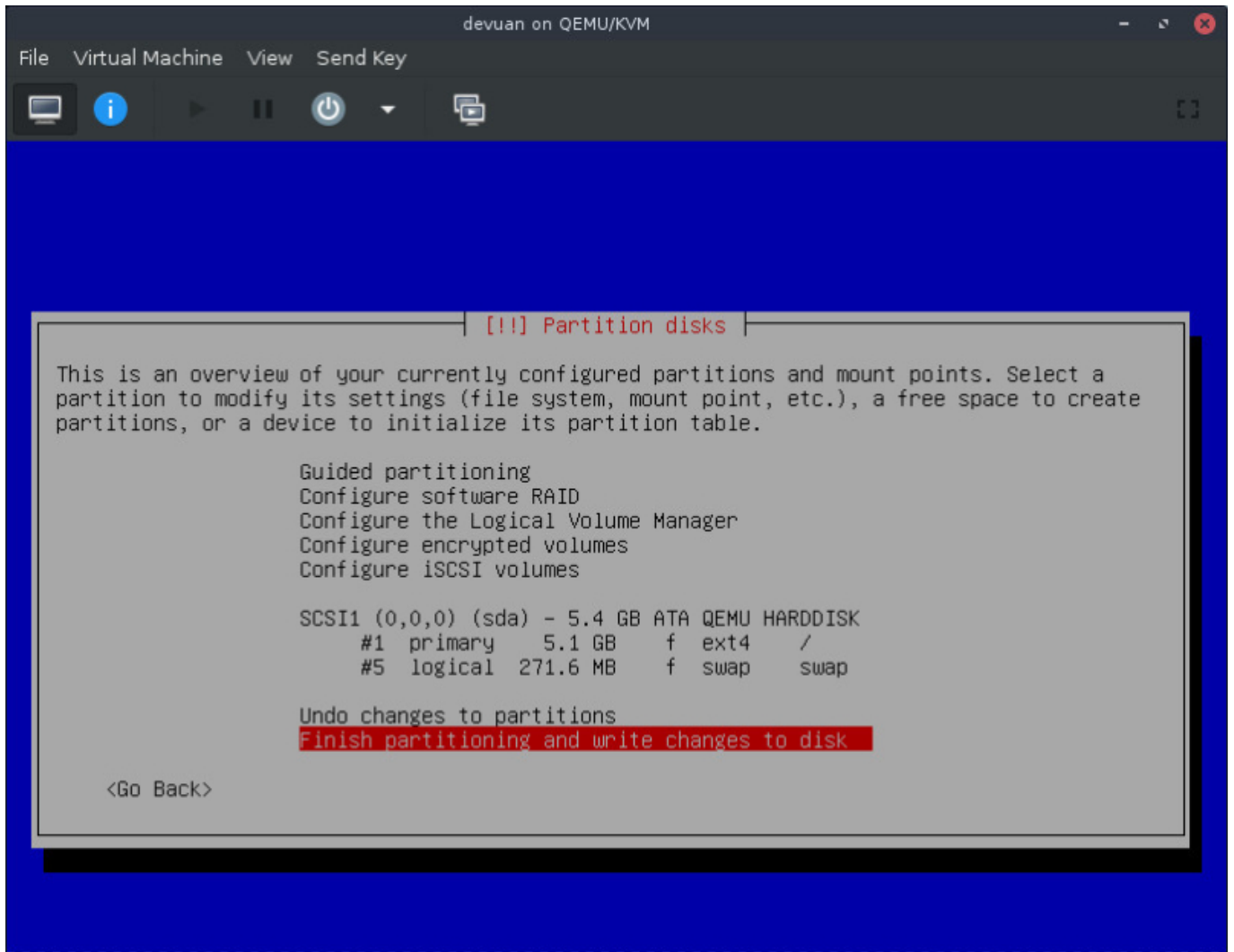
## The scenario

Devuan 1.0 and Debian 8.8, all updated to latest packages with netinstall.

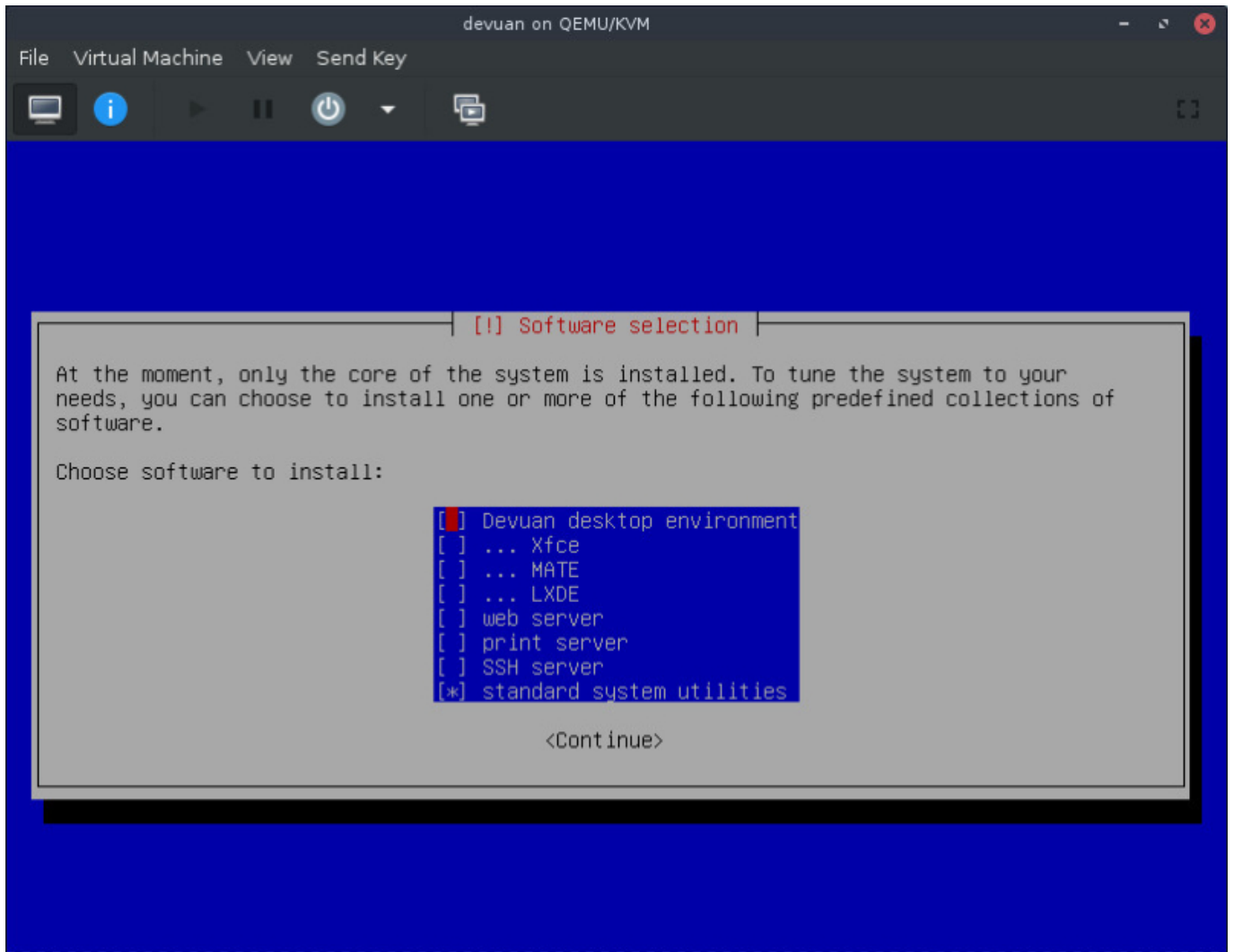
Two virtual machines with 1 vCPU and 1G of RAM:



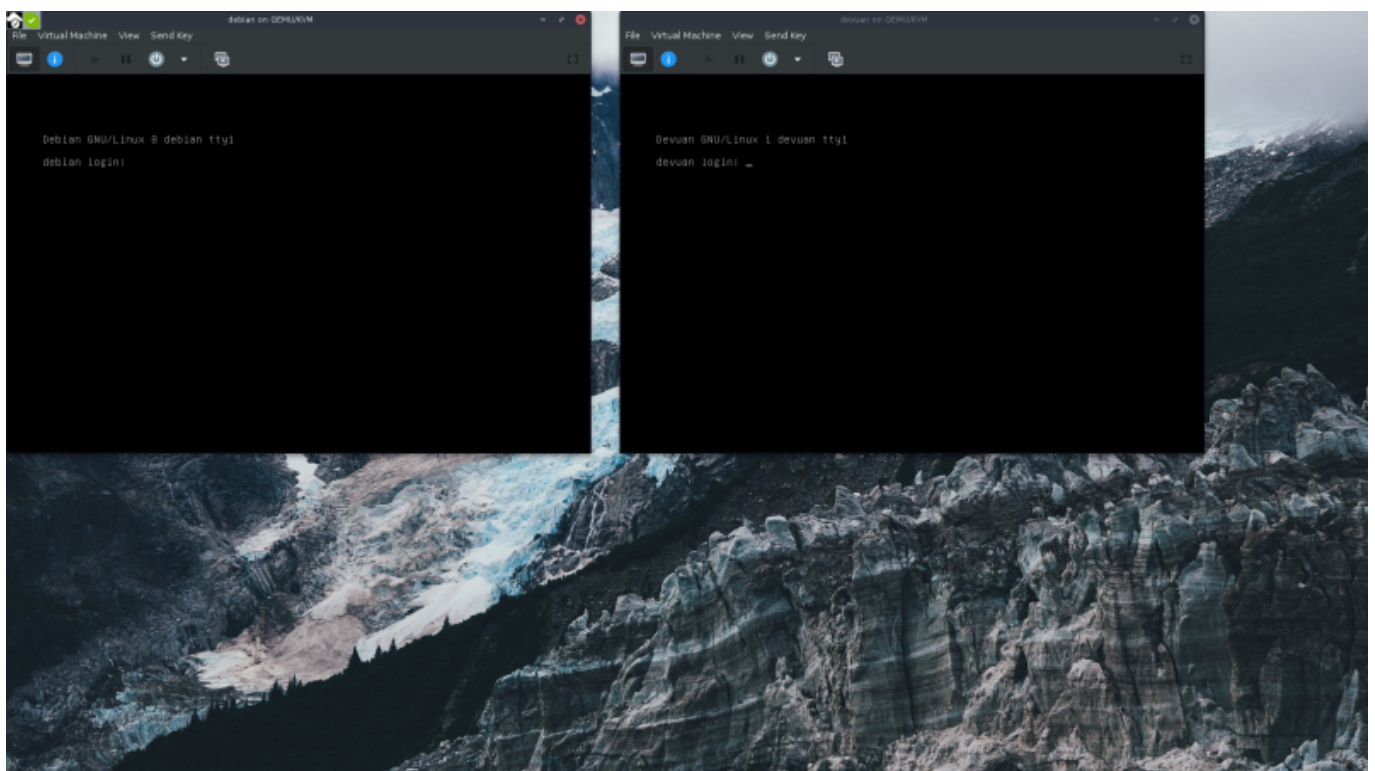
The partition schema:



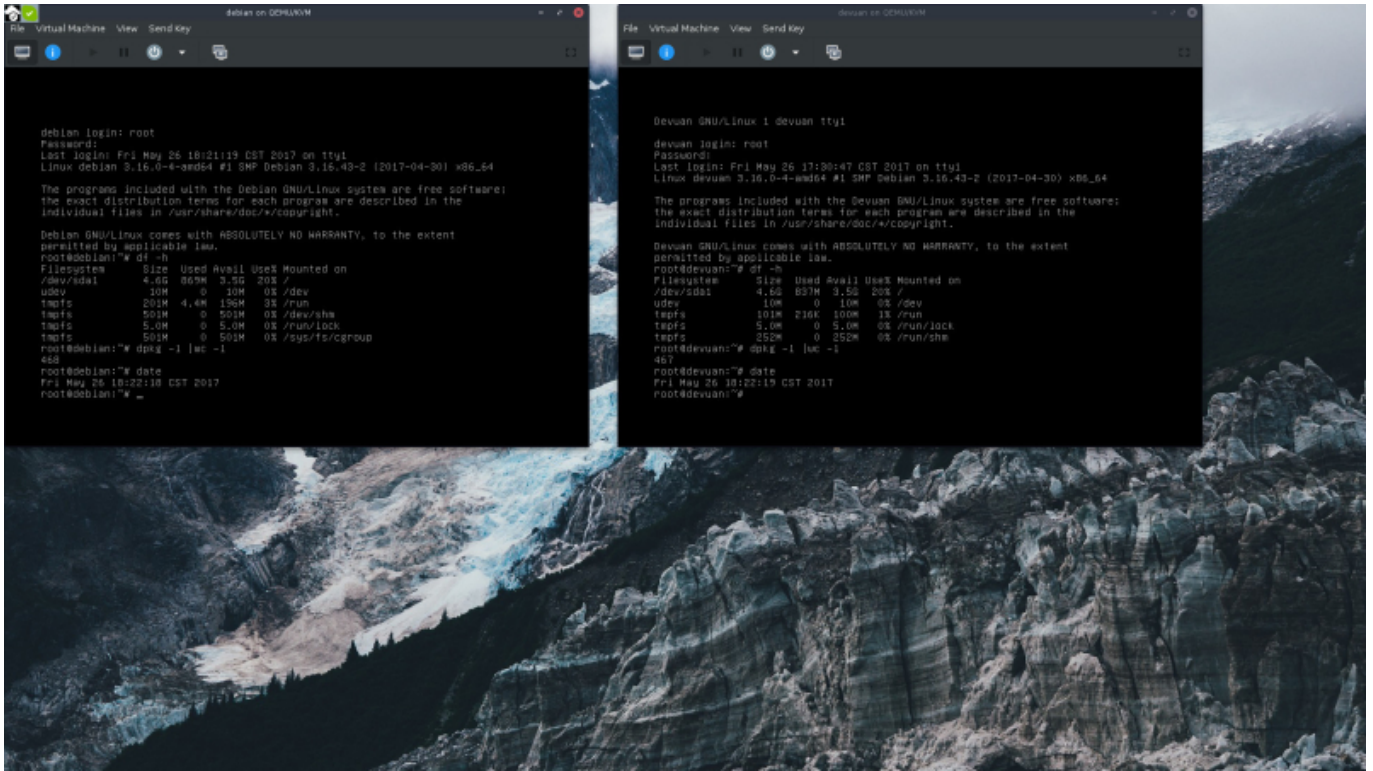
Packages installed:



The login screen Debian at left:

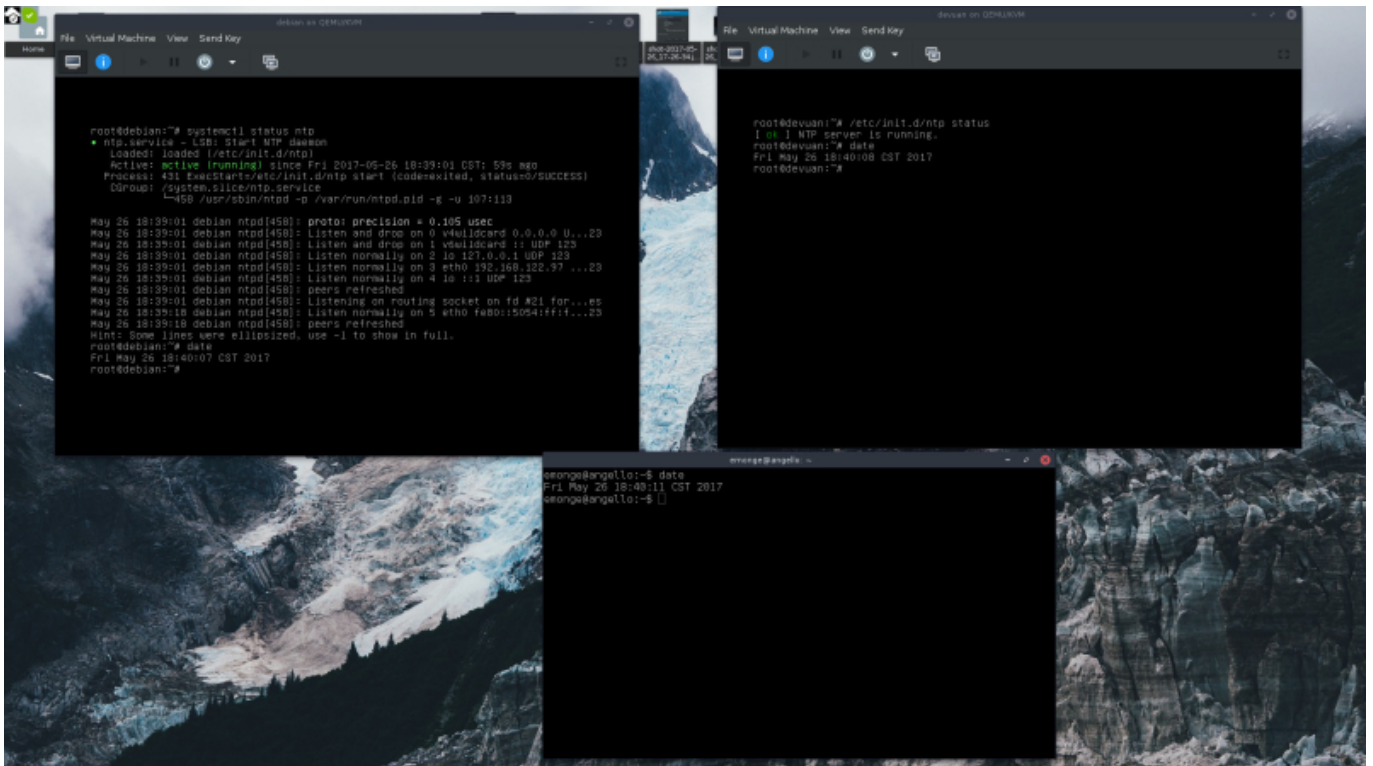


Packages installed and space used, Debian at left:



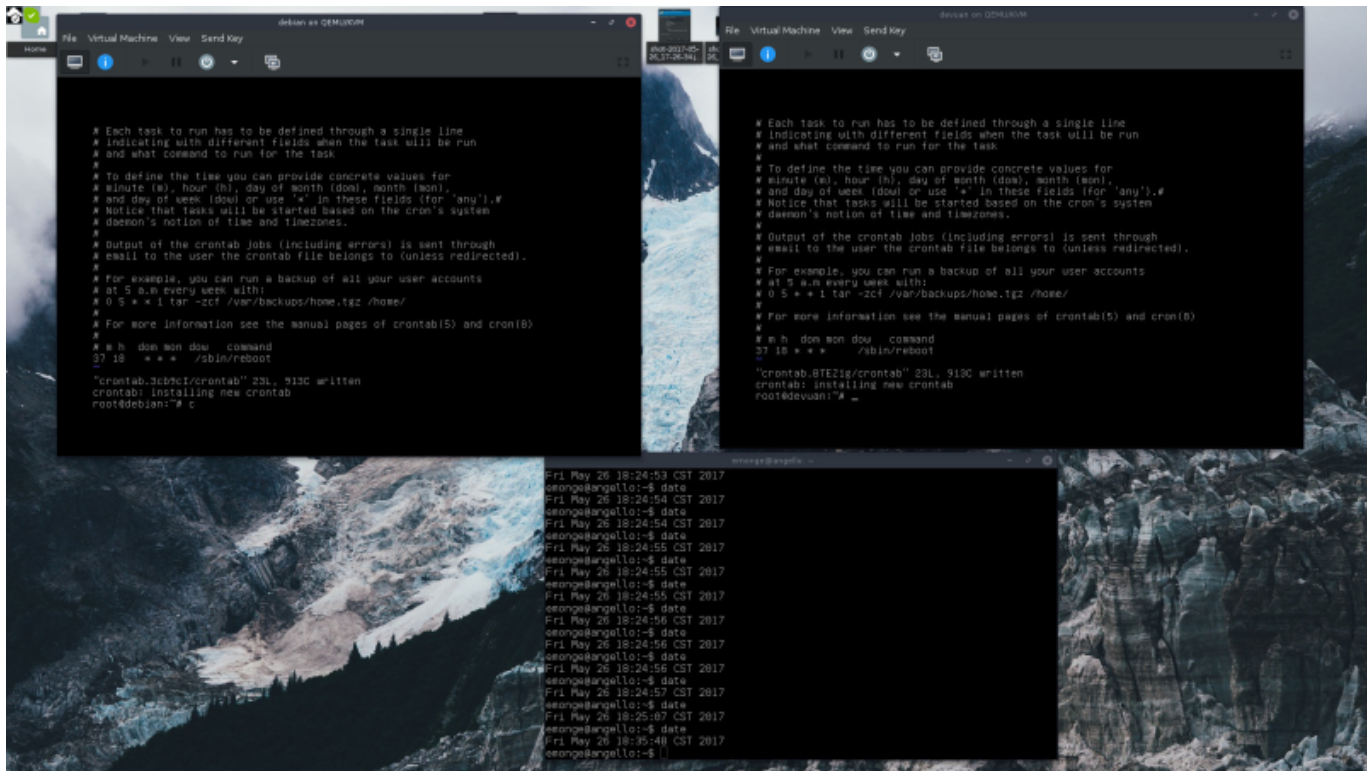
As you can see Debian used more space than Devuan and installed one more package.

Status of one service, Debian at left:



I prefer the output of systemd, but can be confused if you want to get the state in one script. I want to try boot the virtual machines at same time, so I installed NTP, the problem is that always I get a difference of 1 or 2 seconds.

I programmed a crontab in the servers and stay quiet until they reboot, the problem always was that one reboot before than other.



So I made a trick.

### The trick

I want to boot on time the servers... so I add this line to crontab:

```
09 17 * * * echo $(date) > /root/inicio && /sbin/reboot
```

I want to eliminate human factor and network latency, so I removed NTP and configure tty1 to auto login.

### Devuan

Modify the file /etc/inittab and comment/change the line:

```
1:2345:respawn:/sbin/getty 115200 tty1
```

To:

```
1:2345:respawn:/bin/login -f pi tty1 </dev/tty1 >/dev/tty1 2>&1
```

### Debian

Modify the file /etc/systemd/system/getty.service.wants/getty@tty1.service and comment/change the line:

```
ExecStart=-/usr/bin/agetty --noclear %I $TERM
```

To:

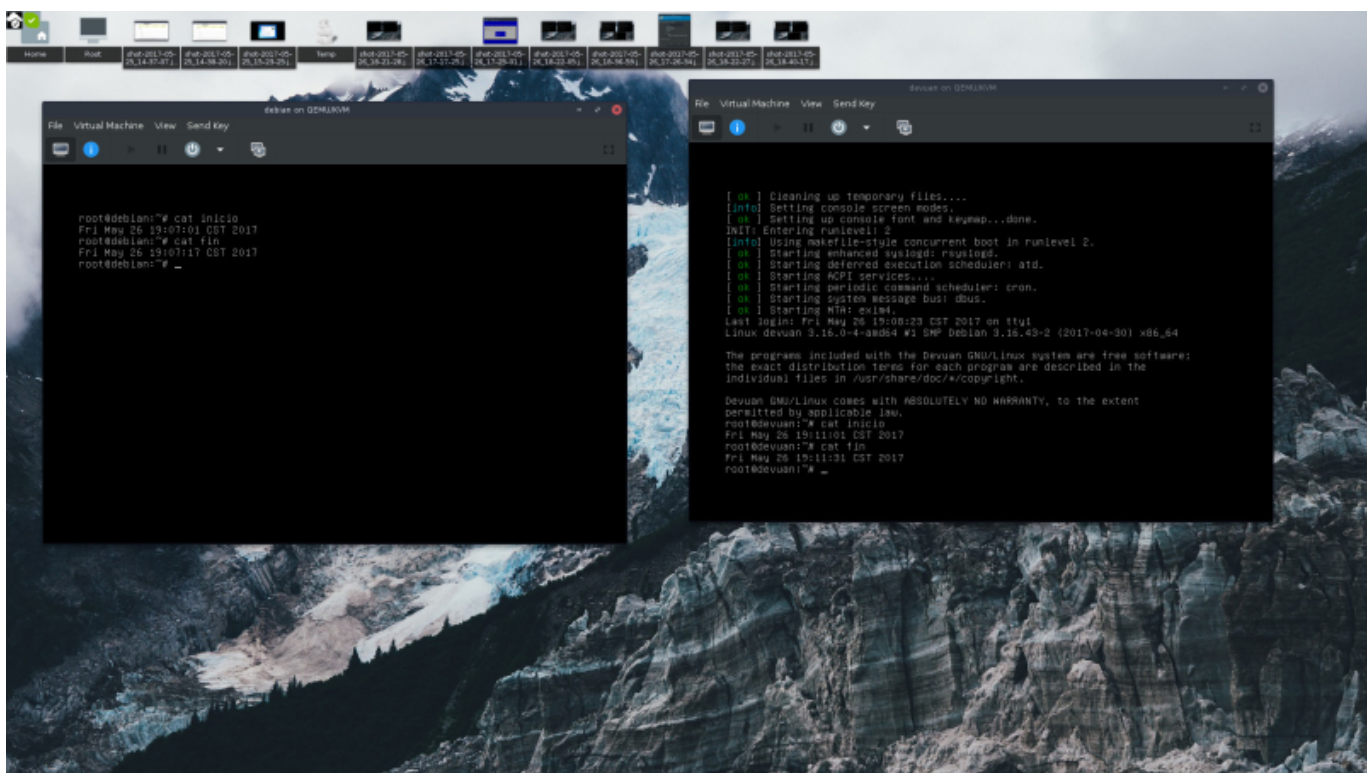
```
ExecStart=-/usr/bin/agetty --autologin root --noclear %I $TERM
```

Finally in boot operating systems edit /root/.bashrc and add this line:

```
echo $(date) > /root/fin
```

## Results

Debian at left:



Devuan tooks 30 seconds to start, Debian only 16 seconds!

## References

- <https://wiki.archlinux.org/index.php/Getty>
- <https://askubuntu.com/questions/168706/how-do-i-auto-login-as-root-into-the-tty-upon-boot>

From: <https://estebanmonge.site/> - Esteban Monge

Permanent link: [https://estebanmonge.site/doku.php?id=sysv\\_vs\\_systemd](https://estebanmonge.site/doku.php?id=sysv_vs_systemd)

Last update: 2017/05/27 01:42





